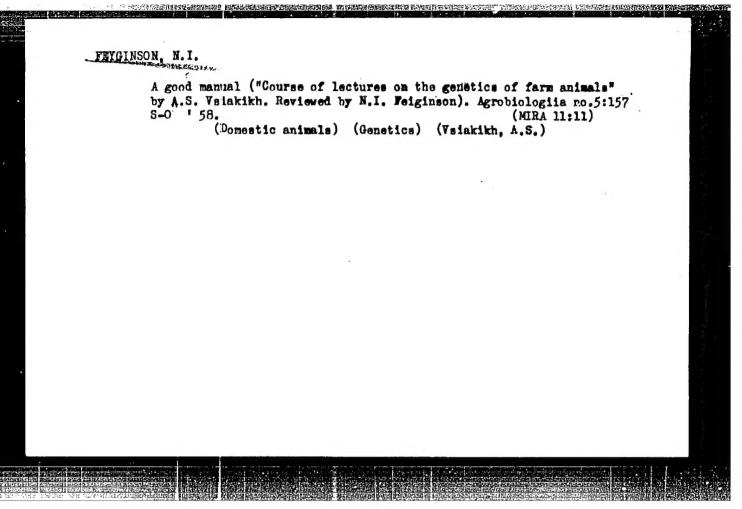
LYSENKO, T.D.; OL'BHANSKIY, M.A.; SINYAGIN, I.I.; GLUSHCHEHKO, I.Ye.;
VARINTSTAN, I.S.; PREZENT, I.I.; SHCHERE INOVSKIY, N.S.; BHINKOV,
V.I.: YEVSTIGNEY, S.N.; BOCHEVER, A.M.; LITVIN, V.M.; YAYKOVA,
A.T.; PODVOYSKIY, I.I.; SAKS, Ye.I.; KHALIFMAN, I.A.; FRIGINSON,
N.I.; SHCHEGLOVA, Yu.M.; DLUGACH, G.V.; STERNIN, R.A.; LISOVSKAY,
O.V.; GUBINA, T.I.; ROZEHFEL'D, M.I.: TSVETAYEVA, Ye.M.; PARKHOMENKO, Ye.7.; NEYMAN, N.F.

Sofia IAkovlevna Voitinskaia; an obituary. Agrobiologila no.4:121
J1-Ag '58.

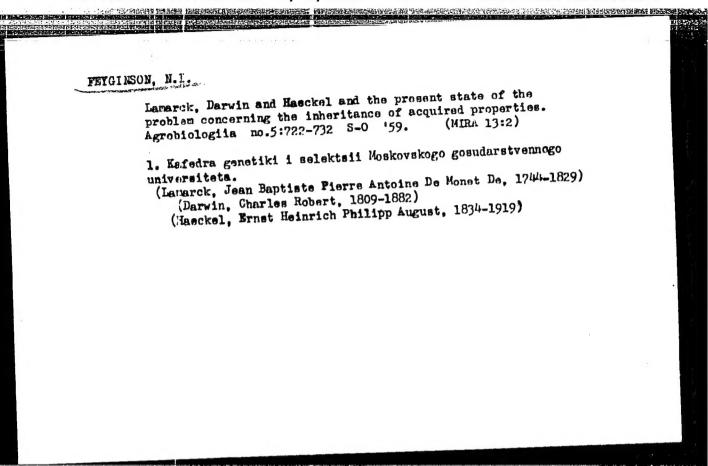
(Voitinskaia, Sofi'ia Iakovlevna, 1898-1958)



FEYGINSON, N.I., kand. sel'skokhoz. nauk

Two trends in the biological science. Biol. v shkole no.4:75-82 Jl-Ag '59. (MIRA 12:11)

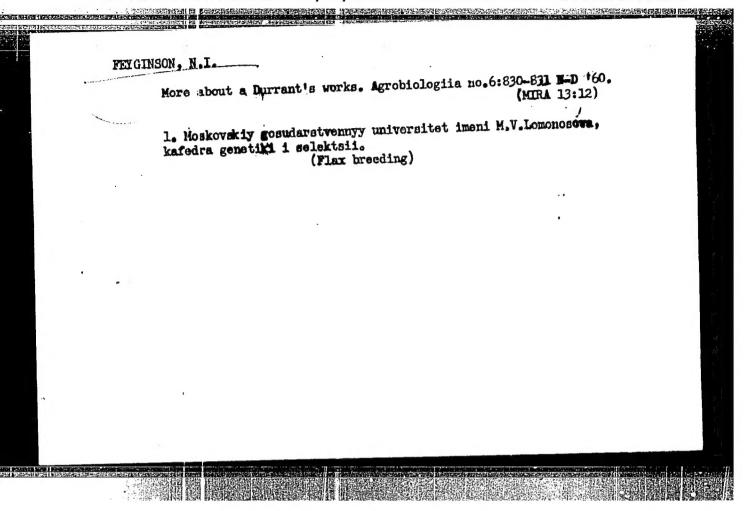
l, Moskovskiy gosudarstvennyy universitet imeni M.V. Lomonosova. (Genetics) (Science--Philosophy)



Darwin and modern times. Dokl.Akad.sel'khoz. 24 no.10:3-8
'59.

1. Kafedra genetiki i selakteli Moskovekogo gosudarstvennogo universitata imeni M.V.Lomonosova.
(Darwin, Charles Robert, 1809-1882)
(Biology)

Concerning A. Durrant's and H. Tyson's article. Agrobiologias no.4:557-558 J1-Ag '60. (MIRA 13:8) 1. Monkovskiy gosudarstvennyy universitet im. M.V. Lononosova, kefedra genetiki i selektsii. (Flax breeding) (Genetics)



FETCINSON, N.I.

Analysis of the negative results of some experiments in vegetative hydridization. Bot. zhur. 45 no.10:1476-1487 0 '60.

(MIRA 13:11)

1. Moskovskiy gosudarstvennyy universitet.

(Grafting)

FURMAN, Aleksey Yevgen'yevich; FEYGINSON, N.I., otv. red.; PCMALEN'KAYA, O.T., red.; YERMAKOV, M.S., tekhn. red.

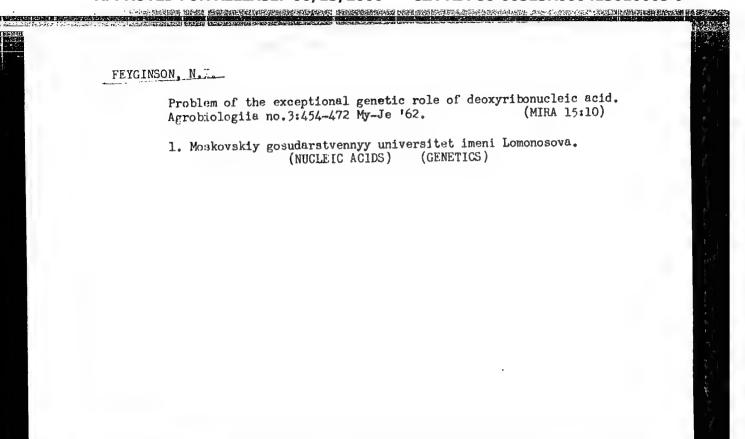
[Origin and formation of the dialectic conception of development in biology] Vosniknovenie i formirovanie dialekticheskoi kontseptsii rasvitiia v biologii. Moskva, Izd-vo Mosk. univ., 1961. 282 p. (MIRA 14:8)

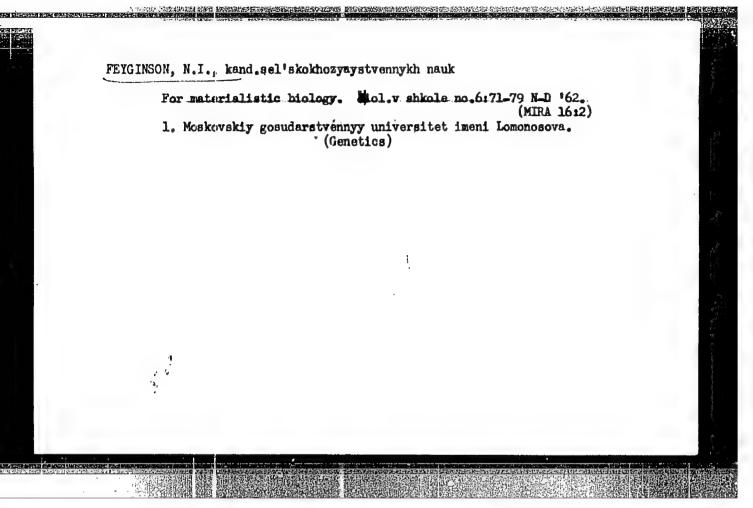
(Biology—Philosophy)

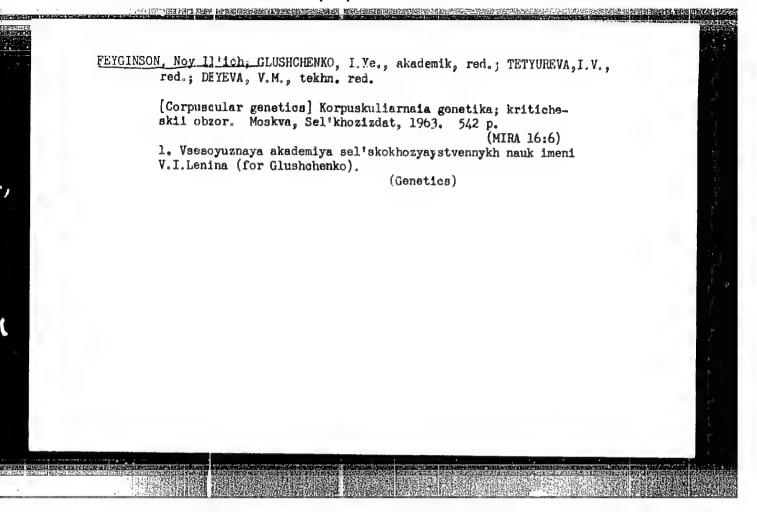
OL'SHANSKIY; LYSENKO; NAZARENKO; AVAKYAN: VARUNTSYAN; GLUSHCHENKO; PREZENT; VARENITSA; BALYURA; OZIRSKIY; TOMASHEVICH; SHAIN; TARKOVSKIY; TRET'YAKOV; NOVIKOV; FEYGINSON; TELYATNIKOV; KHALIFMAN; KONSTANTINOVA; SMIRNOV; VOINOV; STEPANOV SHOSTAK; BALABAN; CHUBASOVA; TKUCHUK

Timofei Ignat'evich Belash. Agrobiologiia no. 3:447-448 My-Je '61.

(Belash, Timofei Ignat'evich, 1901-1961)



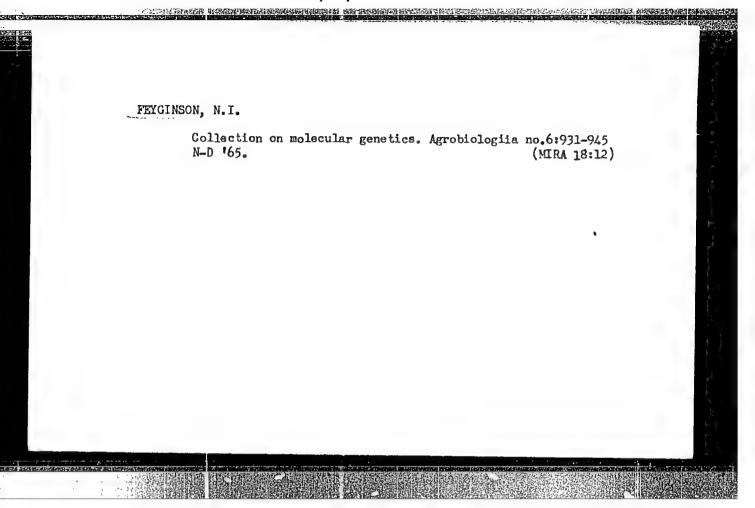




KOMMONER, B. [Commoner, B.], prof. fiziologii rasteniy; FEYGINSON, N.I. [translator]

In defense of biology. Agrobiologiia no.3:351-358 My-Je '63. (MIRA 16:7)

1. Predsedatel' Komiteta po molekulyarnoy biologii Vashingtonskogo universiteta, Sent-Luis, Missuri, SShA. (Biology-Philosophy)



L 21/13-65 EMT(m)/EMA(d)/T/EMP(t)/EMP(k)/EMP(b) Pf-i AFDC(b)/SSD/AFJL/

ITC al AFTC(p) JI/HW

ATCESSION NR: AR5000587

Jankovsk y, V. M.; Kheyfets, G. N.: Feyg.in, J. V.

Cankovsk y, V. M.; Kheyfets, G. N.: Feyg.in, J. V.

TITLE: Laborator: vacuum furnace with manipulator

CITED SOURCE: Sb. Proiz-vo trub, vy*p. 12. M., Metallurgiya, 1964,

TQ-77

TOPIC TAGS: vacuum furnace, vacuum chamber, heat treatment, pipe /

TRANSLATION: A horizontal resistance furnace with a manipulator and a coller in a vacuum chamber was designed and brill: in the vacuum in a vacuum chamber was designed and brill: in the vacuum in a vacuum of a coller in a vacuum chamber was designed and brill: in the vacuum in a vacuum of a coller in a vacuum chamber was designed and brill: in the vacuum in a vacuum of a coller in a vacuum chamber was designed and brill: in the vacuum in a vacuum of a coller. The furnace body consisted of pipe with Homesia in a coller. The furnace body consisted of pipe with Homesia in the furnace with a collection of the cover of the cody were placed 2 copper conductors 1/3

L 24713-65

ACCESSION NR: AR5000587

tors, 3 heaters, a handle for the door of the furnace, and an arrangement for inserting a thermocouple. The heater, made of molybdenum or a Nichrome type alloy, was placed in the annular gap letwher two korraks cylinders. These cylinders were strengthened with two face flanges of the same material. The front flange has an comming for inserting the samples into the heating phamber, which has or volume 20 mm in diameter and 176 mm 1 . . o overing is closed by a door with a slot for supporting the sample. The axis of the door passes outside of the external meating wallie, at it is led but through a seal in the roof of the furnace by. Two external heating paffles made of stainless sheet steel are fastened to the face clamps of the baffles and are centered relative to the by with six scriws. The covering of a stationary thank the is Laration the openings of the external baffles. Through the all I de screen there are led two copper conducting rods insulated with and casings, connected to the heater with a armost page. a la made of copper and is located in the rank part . reace. The man pulator is in the form of a "tube within a title", where the hollow shaft of the manipulator slides of a trace waring The wall of the furnace body and moves the same a wife or walder

Cara 2/3

L 2h713-65

ACCESSION NR: AR5000587

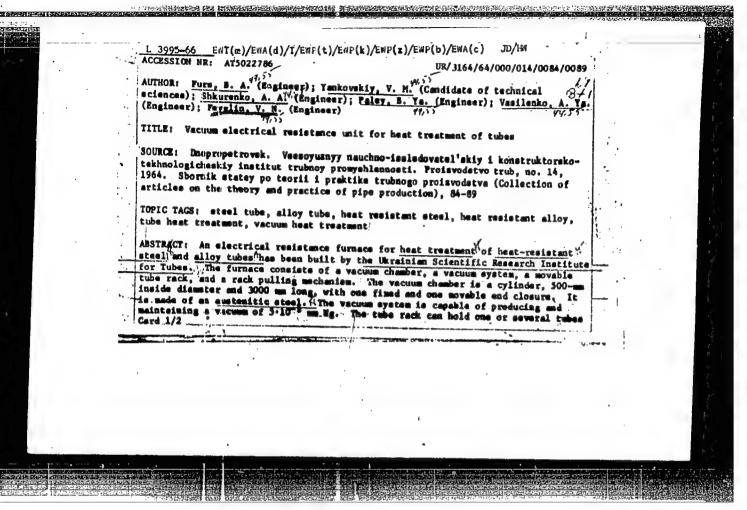
the vacuum chamber. Feeding of current to the heater is carried out through an automatic transformer and a reducing transformer.

**Completion of the heating up to the desired temperature is effected in the product on an off the automatic transformer in the second transformer in the working transformer in the working transformer is measured with a LT-2 thermocouple and an LM-2 isnizing tube in conjunction with a VNT-1 vacuum meter. A general diagram of the heating apparatus is given, along with a description of the vacuum furnace. The procedure for producing a vacuum is described.

SUB CODE: MM

ENCL: 00

Card 3/3



• •		ACCESSION NR: AC5022786	0	•	
		up to 40 mm cutside dismeter and 500—2000 mm long, with a wall thickness 1.5 mm, or a container filled with small-diameter tubes. In the former catubes are heated directly by passing electric current; in the lattercase the passed through the container. The power is supplied by two single-phase formers with a sucondary voltage range of 14—160 v. The unit insures a te of 2000—2300C and heat treats up to 125 tubes per shift, depending on simulating.	se the he current e trans-		
		ASSOCIATION'S money for the state of the sta			
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"APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000413010003-9

L 04154-67 EWT(m)/T/EWP(t)/ETI - IJP(c) JD C INR AR6016528 SOURCE CODE:

SOURCE CODE: UR/0276/65/000/012/B039/B039

AUTHOR: Kheyfets, G. N.; Yankovskiy, V. M.; Kadinova, A. S.; Shkurenko, A. A.; Feyglin, V. N.; Tikhonyuk, A. N.

TITLE: Determining the basic parameters for cooling of gas cylinders during jet annealing

SOURCE: Ref. zh. Tekhnologiya mashinostroyeniya, Abs. 12B294

REF SOURCE: Sb. Proiz-vo trub. Vyp. 15. M., Metallurgiya, 1965, 72-79

TOPIC TAGS: liquid gas container, annealing, cooling

ABSTRACT: A method is proposed for studying the process of jet annealing of thick-walled gas cylinders to obtain data necessary for designing jet cooling devices. An experimental laboratory installation is designed and manufactured for individual and simultaneous water-cooling of the outer and inner surfaces of a gas cylinder while it is rapidly rotated to equalize cooling along the perimeter. The schematic diagram and technical characteristics of the experimental installation are given. Practical curves are plotted for cooling along the cross section of the cylinder wall, the rate of flow of the coolant is determined and a method is found for cooling the cylinder wall at the required rate. Heat treatment conditions are established for cylinders made of 40Kh steel. The workpiece is heated to the prequenching temperature of 870°C

Card 1/2

UDC: 621.785.6

ACC NR: AR6016528	0
in a batch-type furnace, held at this temperature al (inside and outside) jet cooling device, anneated at this temperature for 2 hours. It is shown that the security identical mechanical proper section and that these properties satisfy technical grams are developed for cooling devices to be used cylinders. 6 illustrations, 1 table, bibliograph abstract]	m that bilateral cooling gives the sies with respect to length and cross cal specifications. Schematic dia-
SUB CODE: 13	·
Cord 2/2 fly	

经生产业的对任金额,是否是在在各种性的企业和企业的原本的自由企业和企业的的企业的企业的企业的企业的企业的企业的企业。

KHEYFETS, G.N., kand. tekhn. nauk; YANKOVEKIY, V.M., kand. tekhn. nauk; SChKIN, I.I., kand. tekhn. nauk; KADINOVA, A.S., inzh.; FEYGLIN, V.N., inzh.; TIKHONYUK, A.N., inzh.; SHKURENKO, A.A., inzh.; KHOMENKO, A.G., inzh.

Steam hardening of high-capacity cylinders. Stal 25 no.8:849-852 S 165. (MIRA 18:9)

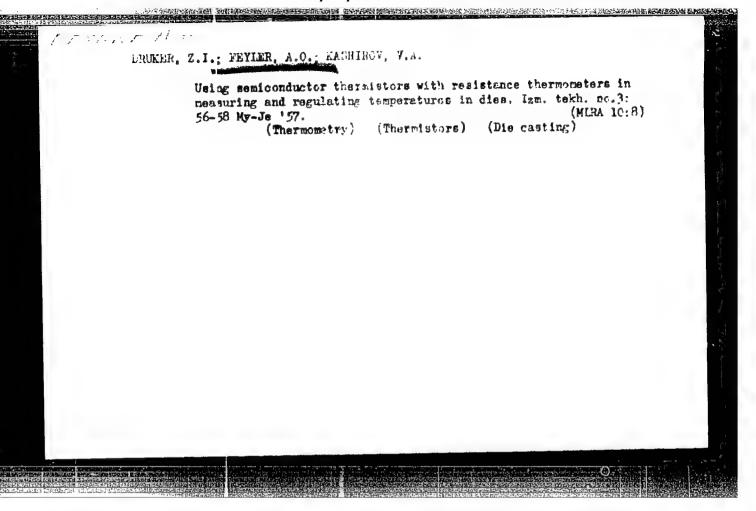
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CIA-RDP86-00513R000413010003-9

ACC NR: AP5025717	SOURCE CODE: 11	IR/0286/55/000/018/00/0/0071
	. 1 6.7	
AUTHORS: Aslanova,	M. S.; Syritskaya, Z. M.; /Feykner	, S. Ya. 111, 78
	1	33
ORG: none		
TITLE: Glass. Cla	as 32, No. 174779 announced by Stat	a Scientific Research
	Gosudarstvennyy nauchno-issledovate	
No.	1,65	-
SOURCE: Byulleten's	izobreteniy i tovarnykh snakov, no.	18, 1965, 70-71
	1k alight	
MODIO MACCA -1	Market and a subsequent of the first of the second of the	-1-3924 1. 1. 9 L 1 1914
TOPIC TAGS: glass,	dielectric permeability, thermal st	ability, chemical stability
- American and Ame	- Company of the Comp	
ABSTRACTA This Aut	nor Certificate presents a method fo	r obtaining a glass of high ility, and low temperature
ABSTRACTA This Aut thermal and chemica of cooking. The co	nor Certificate presents a method for L stability, high dielectric permeab apponents making up the glass are tak	or obtaining a glass of high cility, and low temperature en in the following
ABSTRACT This Aut thermal and chemica of cooking. The co proportions (in wt	nor Certificate presents a method fo	or obtaining a glass of high cility, and low temperature en in the following
ABSTRACTA This Aut thermal and chemica of cooking. The co	nor Certificate presents a method for L stability, high dielectric permeab apponents making up the glass are tak	or obtaining a glass of high cility, and low temperature en in the following
ABSTRACT This Aut thermal and chemica of cooking. The co proportions (in wt	nor Certificate presents a method for L stability, high dielectric permeab apponents making up the glass are tak	or obtaining a glass of high cility, and low temperature en in the following
ABSTRACT: This Aut thermal and chemica of cooking. The coproportions (in wt N205.	for Certificate presents a method for L stability, high dielectric permeab moments making up the glass are tak %): $P_2\emptyset_5$ 30-40, $Ti\emptyset_2$ 51-60, $Si\emptyset_2$ -	or obtaining a glass of high cility, and low temperature en in the following
ABSTRACT This Aut thermal and chemica of cooking. The co proportions (in wt N205. SUB CODE: MT/	for Certificate presents a method for L stability, high dielectric permeab moments making up the glass are tak %): $P_2\emptyset_5$ 30-40, $Ti\emptyset_2$ 51-60, $Si\emptyset_2$ -	or obtaining a glass of high cility, and low temperature en in the following -3-6, and less than 2% of
ABSTRACT: This Aut thermal and chemica of cooking. The coproportions (in wt N205.	for Certificate presents a method for L stability, high dielectric permeab moments making up the glass are tak %): $P_2\emptyset_5$ 30-40, $Ti\emptyset_2$ 51-60, $Si\emptyset_2$ -	or obtaining a glass of high cility, and low temperature en in the following -3-6, and less than 2% of UDC: 666.112.92:546.18
ABSTRACT This Aut thermal and chemica of cooking. The co proportions (in wt N205. SUB CODE: MT/	for Certificate presents a method for L stability, high dielectric permeab moments making up the glass are tak %): $P_2\emptyset_5$ 30-40, $Ti\emptyset_2$ 51-60, $Si\emptyset_2$ -	or obtaining a glass of high cility, and low temperature en in the following -3-6, and less than 2% of

ACC NRI AP60	12132 (A)	SOURCE CODE:	UR/0413/66/000	0/007/0051/005	1
INVENTOR: As	lanova, M. S. Khomutov, A.	: Syritskava	Z. M.; Feykner	rs, S. Ya.;	4
ORG: none		9	•		
	obreteniva. n		announced by All-I dovatel'skiy instit Obraztsy, tova		volokna)7
TOPIC TAGS:	glass, glas	s composition	, GLASS FIBER	GLASS PROPE	RTY
ABSTRACT: composition is intended with high all	An Author Cer of glass con for the manu	tificate has taining P205, facture of g1	been issued des SiO, TiO, Al ass fiber To	cribing the 203, MgO, which produce a fibe	eh er
	203, 3.0—8.0 f abstract7 1/ SUBM 1		-55.0; S102, 3; and CaO, 3.0~	-5.0.	(fid)
	G.				,

L 20633-66 EWT EWT(n)/EWP(e) SOURCE CODE: UR/0413/66/000/006/0062/0062 INVENTOR: Aslanova, M. S.; Syritskaya, Z. M.; Feykners, S. Ya. 26 ORG: none TITLE: Chemical- and heat-resistant glass. Class 32, No. 179885. [announced by All-Union Scientific Research Institute of Class Fiber (Vsesoyuznyy nauchnoissledovatelskiy institut steklyannogo volokna) SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 6, 1966, 62 TOPIC TAGS: chemically resistant glass, heat resistant glass, glass fiber ABSTRACT: An Author Certificate has been Assued for chemical— and heat-resistant glass for the manufacture of glass fibers resistant to aluminum phosphate binder. The glass has the following composition: 16 P2O5, 22-32%; TiO2, 64-88%; SiO2, 1-4%; Nb2O5, not over 2%. In addition to these ingredients the glass contains: Cr2O3, 1-4%; WO3, not over 1%. SUB CODE: 11/ SUBM DATE: 19Feb65/ ATD PRESS: 4225 Card 1/1> UDC: 666.112.92:546.18'28'78'82'882



FEYLER, G.O., inshener; VIL'MAN, B.P., inshener.

Wear resistance of disk brakes built into electric motors.

Vest.elektroprom. 27 no.11:60-64 M *56. (NLRA 9:12)

1. Zavod "Dinamo."
(Slectric motors) (Brakes)

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AUTHOR: Feyler, G.O. Engineer 110-58-5-1/25

The Resistance to Wear of the Contacts of Direct-current TITLE: Contactors and Controllers (Iznosoustoychivost' kontaktov

kontaktorov i kontrollerov postoyannogo toka)

Vestinik Elektropromyshlennosti, 1958, Vol 29, Nr 5, PERIODICAL: pp 1 - 4 (USSR).

ABSTRACT: During the last two years, the apparatus laboratory of the Dinamo Works has tested the resistance to wear of different contact materials. The tests were made on directcurrent contactors; the main technical data are in Table 1. The following materials were tested:

a) Contacts based on silver; silver (S), silver with cadmium oxide (OK or SOK), silver with nickel (SN);
b) Contacts based on copper: copper (M), oxygen-free copper (MB), cadmium copper (MK), copper with cadmium oxide (OK-M), copper with cadmium oxide and added silver (S-OK-M), copper

with iron (Zh-M), copper with tungsten (V-M).

The tests showed that the main factors governing the wear are:
the current, the intensity of magnetic blow-cut, the time that
the arc is on the contacts and the vibration of the contacts. If the voltage is above 50 - 100 V, it has little effect on

Card1/5 wear and so the tests were made at the minimum standard voltage

110-58-5-1/25

The Resistance to Wear of the Contacts of Direct-current Contactors and Controllers

of 100 - 120 V. If magnetic blow-out is used, load inductance has little influence on contact wear when contacts are opened. However, when a d.c. circuit is closed the lower the inductance the greater the rate of rise of the current to its final value and, therefore, the greater the wear. Tests on contact materials are best made on the actual apparatus. This has the additional advantage that simultaneous tests can be made on other parts of the equipment but the inductance and voltage of the circ it must then be of normal value. Contact wear is best estimated by loss of weight or volume for one opening and closing of the circuit. is called the specific wear. The relative resistance to wear of a material is defined as the ratio of the specific wear of that material to the specific wear of the reference base material, silver or copper. Wear resistance is, of course, not the only important factor in selecting contact material; in particular, the contact resistance should be low and stable. The material should also possess high resistance to contact welding.

The results of wear-resistance determination on contact materials

Card2/5

110-58-5-1/25

The Resistance to Wear of the Contacts of Direct-current Contactors and Controllers

using a contactor type KPD-103 are given in Table 2. The tests were conducted by Engineer S.A. Shterenberg and Engineer I.S. Gorchakova. The contactor made and broke a current of 150 A at 220 V; the circuit inductance was 25 mH. The operating rate was 400 per hour and the arc remained on the contacts for 2 - 5 millisecs. From the results, it is concluded that contacts SOK have the highest resistance to wear and are six times better than copper. Silver contacts wear almost twice as much as SOK contacts. Cadmium-copper contacts are the best among those based on copper.

Table 3 gives wear test results on contact materials using different types of contactor. In all cases the temperature of the contacts during the tests was 70 - 80 °C. Table 4 gives the results of tests on the same materials operating under the following different conditions: a) making and breaking a current of 150 A; b) making a current of 375 A and breaking 150 A. The arc was on the contacts for 2 - 5 milliseconds. From the results it is concluded that: a) when making 2.5 times rated current contact wear

Card3/5 increases by about 30%. With different contactors, the

110-58-5-1/25

The Resistance to Wear of the Contacts of Direct-current Contactors and Controllers

specific wear of contacts ranges from 17 - 30 μ g, hence good design may double contact life. Contacts OK-15 are worse than contacts SOK.

RICHORDE LIDERURUNG BEGGERCHUNG FERMUNGEREICHER BEGEGERE BEGENOOFER.

A graph of the relationship between the specific wear of contacts and the contactor current is shown in Fig.l. In this case rated current is made and broken; different types of contactor were used for the lower and higher points on the curves. Table 5 gives the results of tests of contact materials on the direct-current controller type NP-150. It will be seen from this table that the resistance to wear of the controller contacts is much worse than that of the contactor contacts.

In order to verify the stability of operation of contacts, after every 50 000 operations, determinations were made of the temperature rise and contact resistance when rated current is passed for 6 hours. Heating-test results on contactor type KPD-103 are given in Figure 2. Contact resistance at the end of heating tests are given in Table 6. The contacts were not clean. The heating of worn contacts was of the same order in copper and silver contacts.

Card4/5 was of the same order in copper and silver contacts.

Contacts with a high content of tungsten have very high

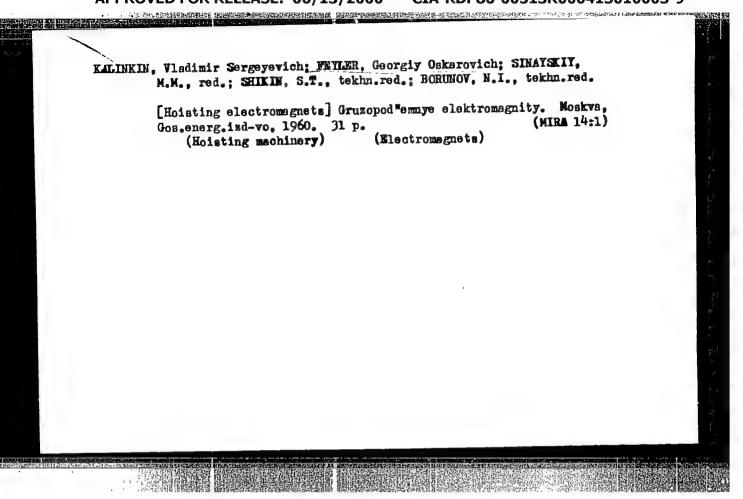
The Resistance to Wear of the Contacts of Direct-current Contactors and Controllers

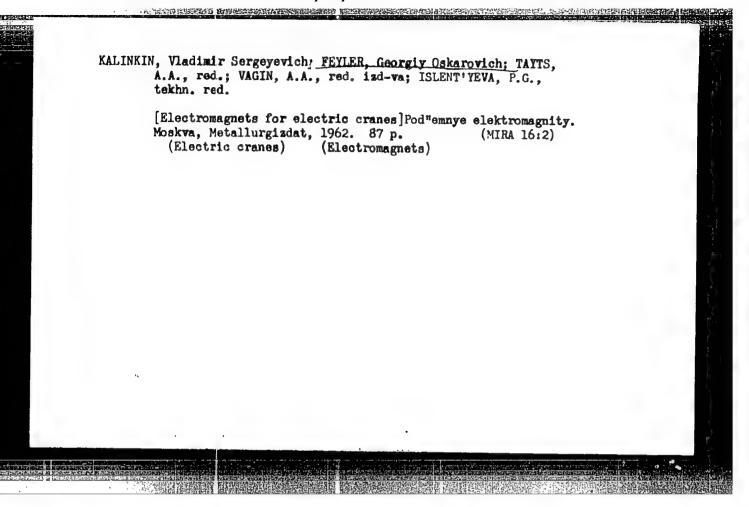
contact resistance and they heat excessively after repeated short-time operation. There are 2 figures and 6 tables.

ASSOCIATION: Zavod "Dinamo" (Dinamo Works)

SUBMITTED: August 28, 1957

Card 5/5





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BELEN'KIY, G.E.; EREYTER, M.Ye.; IVANOV, V.M.; KALINKIN, V.S.;

KOZHUSHKEVICH, V.G.; PETRAKOVSKIY, V.M.; RABINOVICH, A.A.;

RUBINSKIY, I.A.; SINAYSKIY, N.M.; FKYLER, G.O.;

KHOROSHILKIN, L.L.; KOMAR, M.A., red.; BUL'DYAYEV, N.A.,

tekhn. red.

[Electrical equipment of cranes] Elektricheskoe oborudovanie kranov. Moskva, Gosenergoizdat, 1963. 399 p. (MIRA 16:12)

FEYMAN, 1. I.

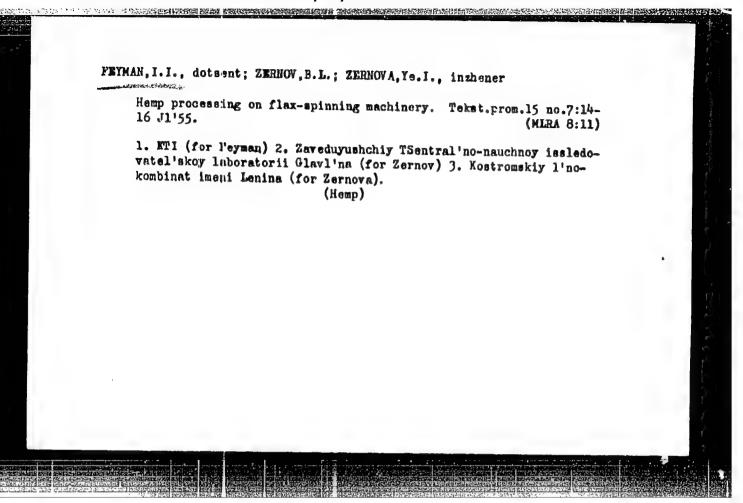
23373 Iz Istorii Razvitiya Otechestvennoy l'nyenoy Promyshlennosti. Tekstil.
Prom-st', 1949, No. 6, c. 6-7.

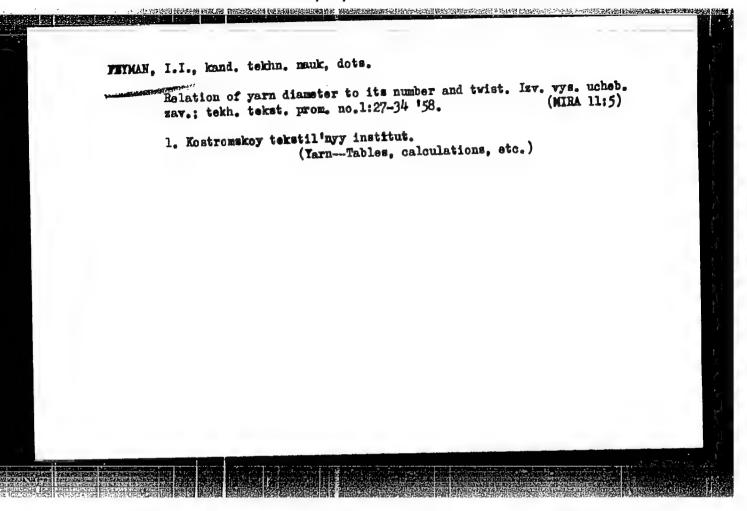
SO: LETOPIS NO. 31, 1949

FETMAN, I.I.; ZERNOVA, Ye.I.

Processing ramie fiber on flax spinning equipment. Tekst.prom.
14 no.6:26-29 Je '54. (MLRA 7:7)

1. Dotsent Kostromskogo tekstil'nogo instituta (for Feyman)
2. Zaveduyushchaya pryadil'noy fabrikoy l'nokombinata im. Lennina (for Zernova)
(Ramie) (Spinning machinery)





FEYMAN, I.I., kand.tekhn.nauk; GRUBOV, A.F.; GAGOROCHKINA, M.K., studentka;

Choosing optimum weft twists for burlap fabrics. Tekst.prom. 18 no.5:70-71 My '58. (MIRA 11:5)

- 1. Glavnyy inghener Warvskoy l'no-dehutovoy fabriki (for Grubov).
- 2. Kostromskoy tekstil'nyy institut (for Gagarochkina, Myasnikova).
 (Burlap)

GINZBURG, Lev Natanovich, prof.; DVERNITSKIY, Iosif Melent'yevich, inzh.;

TARASOV, S.V., retsenzent; SLUTSKOV, I.K., retsenzent; FEYMAN,

I.I., retsenzent; LYASHENKOV, I.K., retsenzent; VOLGIN, A.A.,

Tetsenzent; GORDEYCHIK, G.M., red.; SOKOLOVA, V.Ye., red.;

MEDVHIEV, L.Ya., tekhn.red.

[Spinning of bast fibers and the manufacture of twisted products]
Priadenie lubianykh volokon i proizvodstvo kruchenykh izdelii.
Moskva, Gos.nauchno-tekhn.izd-vo lit-ry po legkoi promyshl., 1959.
549 p. (MIRA 12:8)

1. Kafelra pryadeniya l'na KTI (for Slutskov, Feyman, Lyashenkov, Volgin).

(Bast) (Cordage)

FEYMAN, I.I., dotsent

Functional relation of strength indices, number and degree of twist for linen yars. Izv.vys.ucheb.zav.; tekh.tekst.prom. no.1:41-50 '59. (MIRA 12:6)

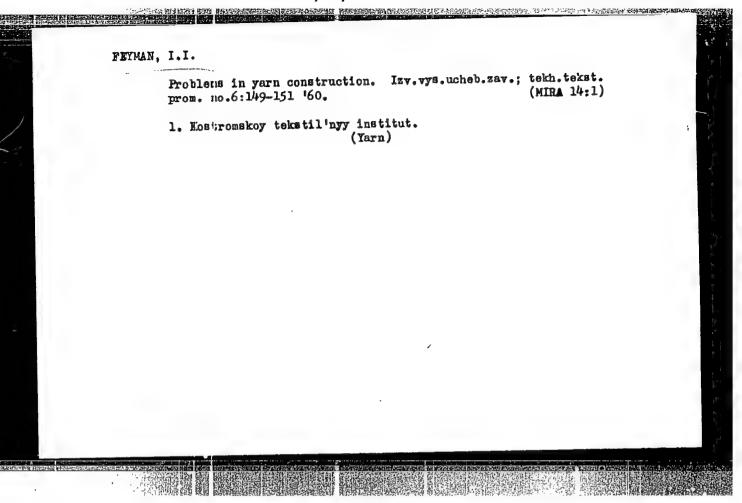
1. Kostromskoy tekstil'nyy institut. (Yarn--Testing) (Linen)

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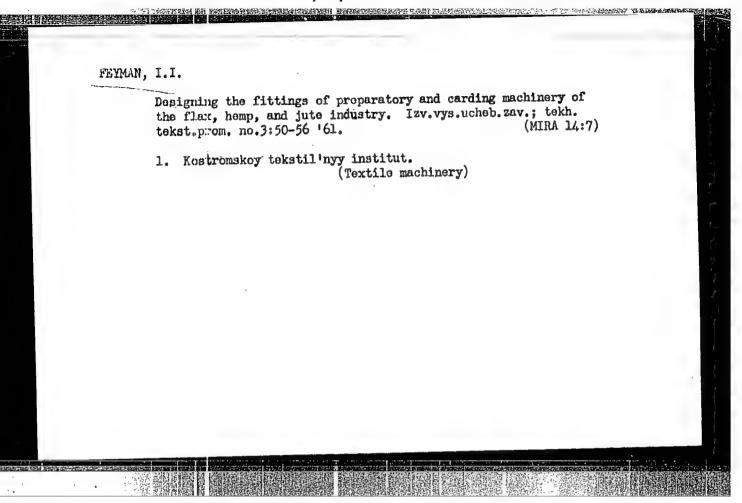
SAL'MAN, Semen Il 1ch; LERMAN, D.I., retsenzent; ZUBCHANINOV, V.V., retsenzent; KOPELEVICH, Ye.I., red.; SHAPENKOVA, T.A., tekhn.red.

[Planning and design of flax-spinning factories] Proektiro-vande l'nopriadil'nykh fabrik. Pod red. D.I.Libermana. Moskva, Izd-vo nauchno-tekhn.lit-ry RSFSR, 1960. 315 p. (HIRA 14:4)

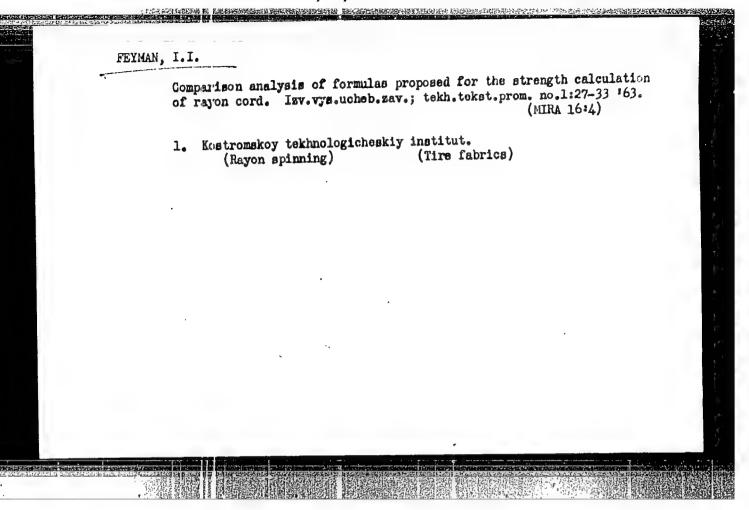
(Ylex) (Textile factories)

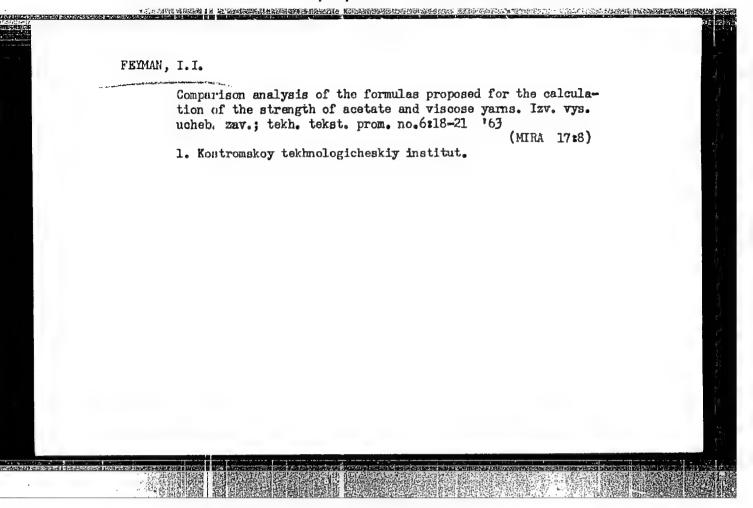


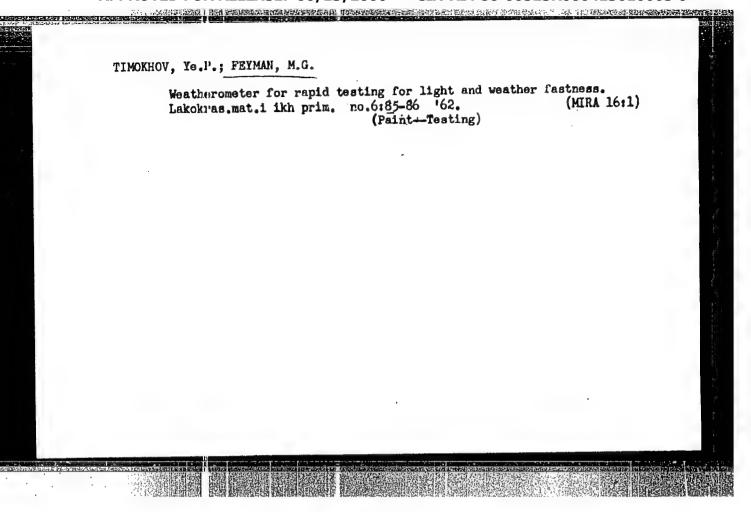
FEYMAN, I.I. Relationship botween the clamping length and strength of yarn. Izv. vys. ucheb. zav.; tekh. teks. prom. no. 2:17-23 '61. (MIRA 14:5) 1. Kostromskoy tekstil'nyy institut. (Yarn—Testing)



PETMAN, I. I. Debatable problems in the methods of calculating the tensile strength of products made with fibrous materials. Izv. vys. ucheb. sav.; tekh. tekst. prom. no.4:26-31 *62. (MIRA 15:10) 1. Kastromskoy tekhnologicheskiy institut. (Iarn)



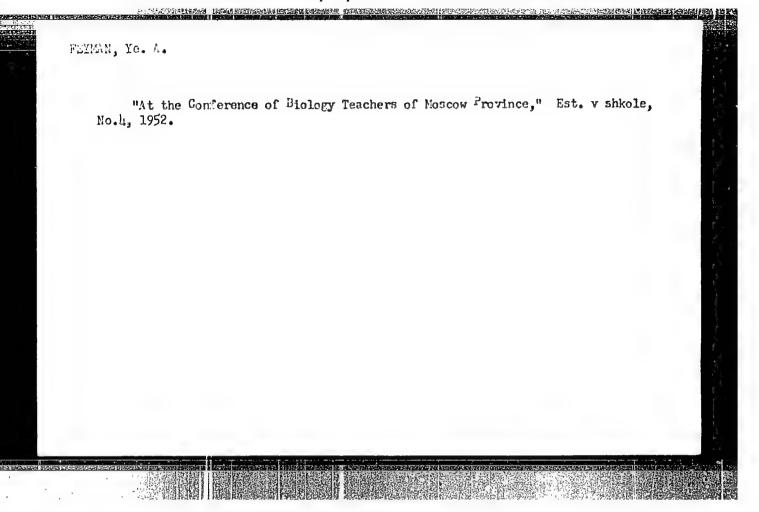


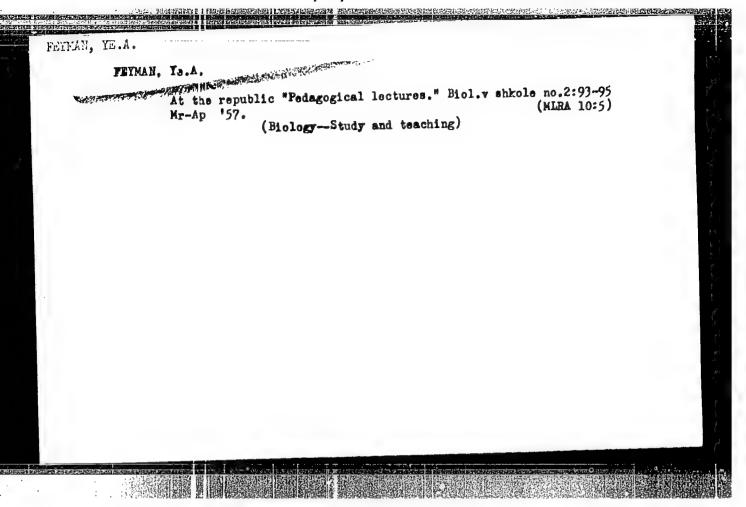


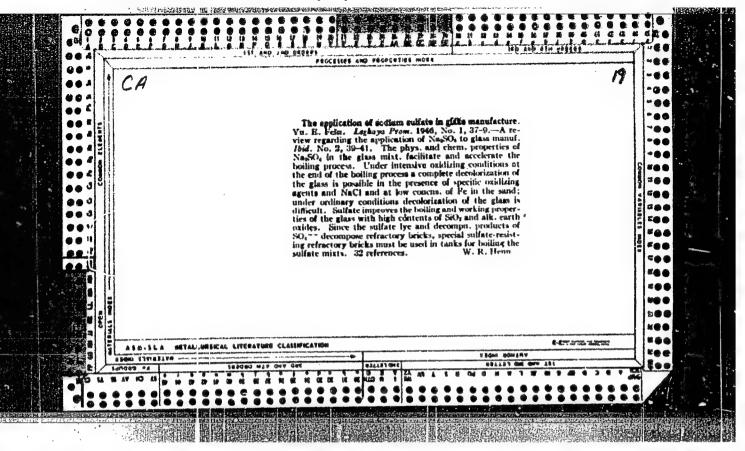
Feyman, Ye. A. - "All-Hussian Conference on Directing the Profescorchies of Biological Sciences, (Pelegogical and teaching institutions, October 1948)," Yestertworzhiyev

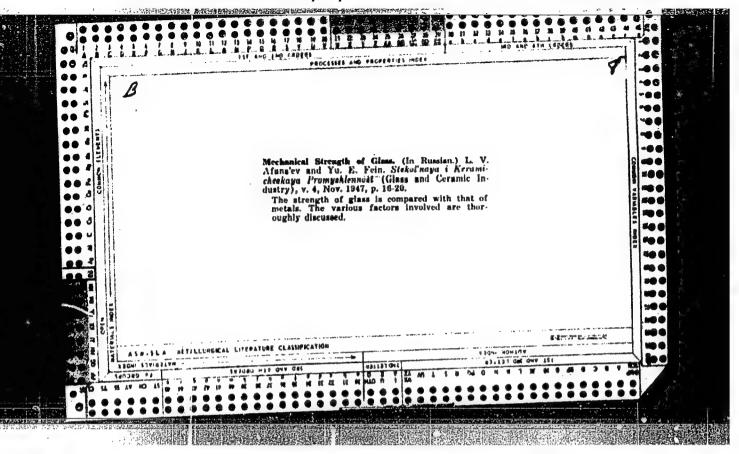
SO: U-3600, 10 July 53, (Letopis 'Zhurnal 'nykh Statey, No. 6, 1949).

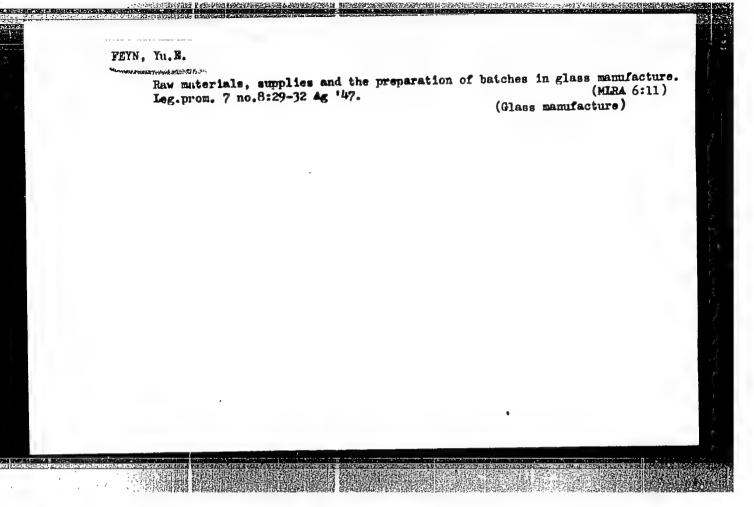
chicole, 1946, No. 6, p. 80-84

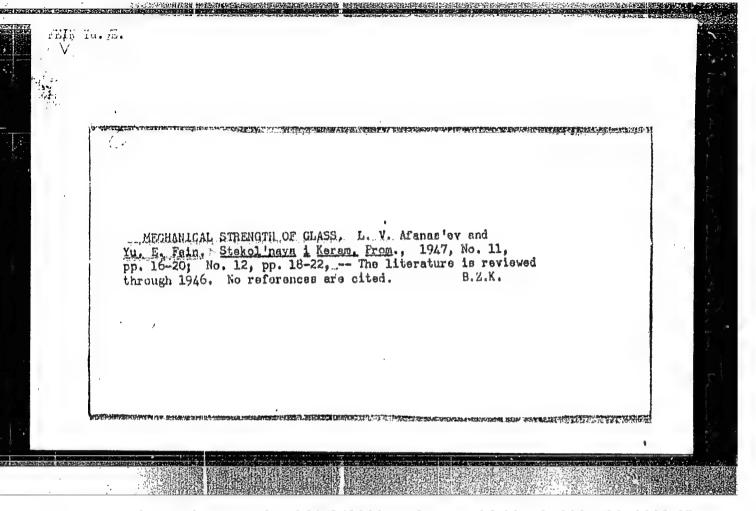


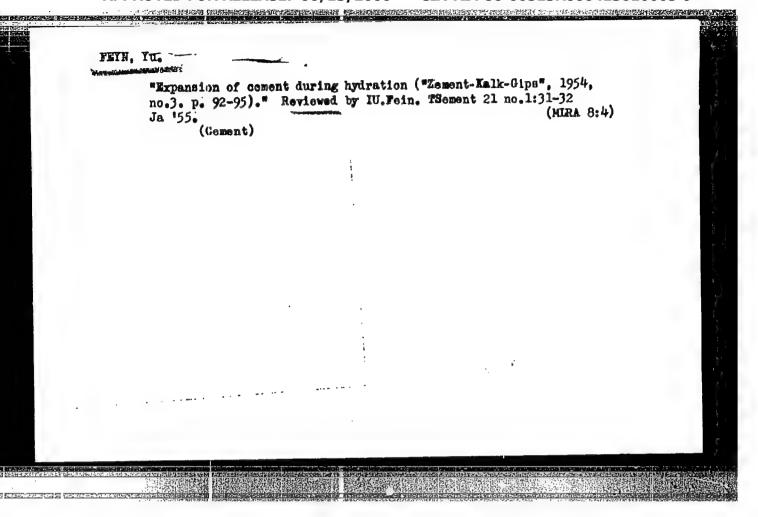


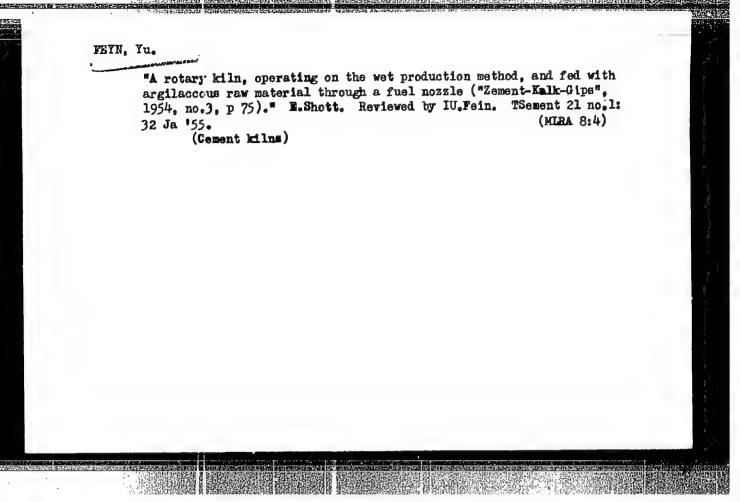


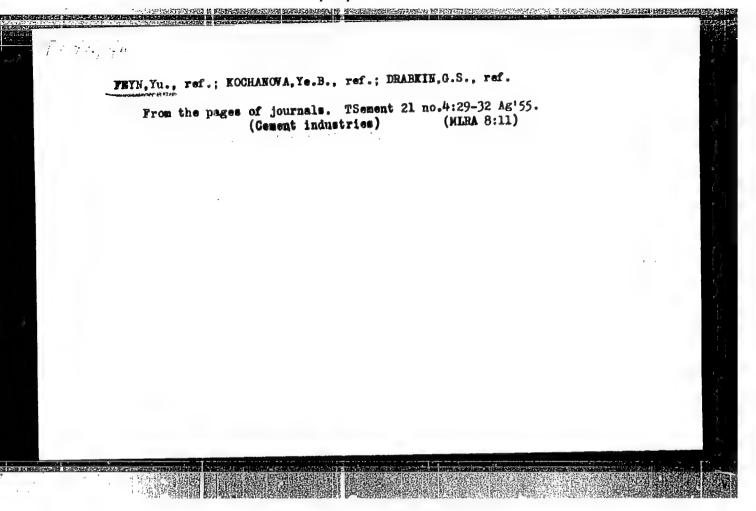


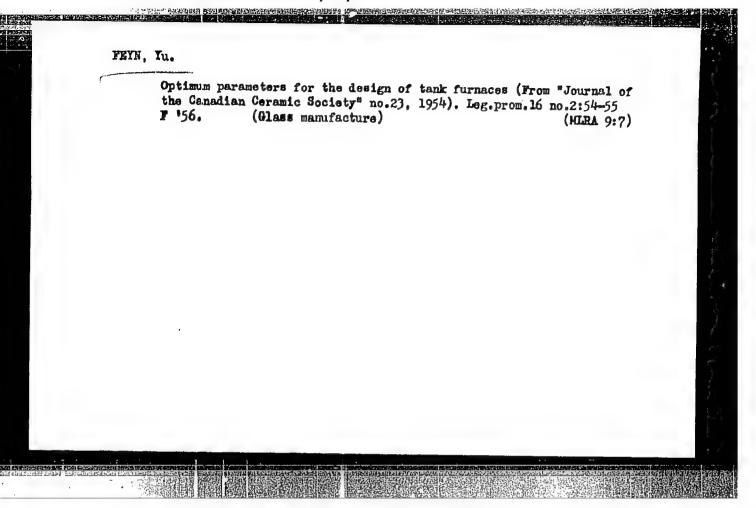


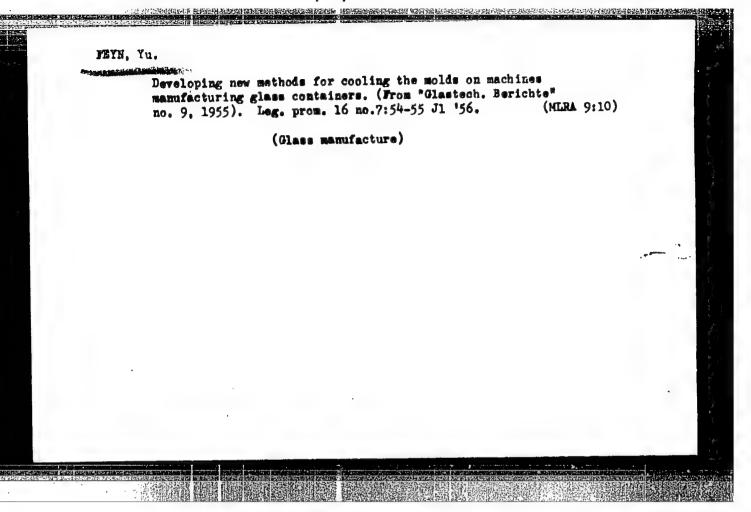


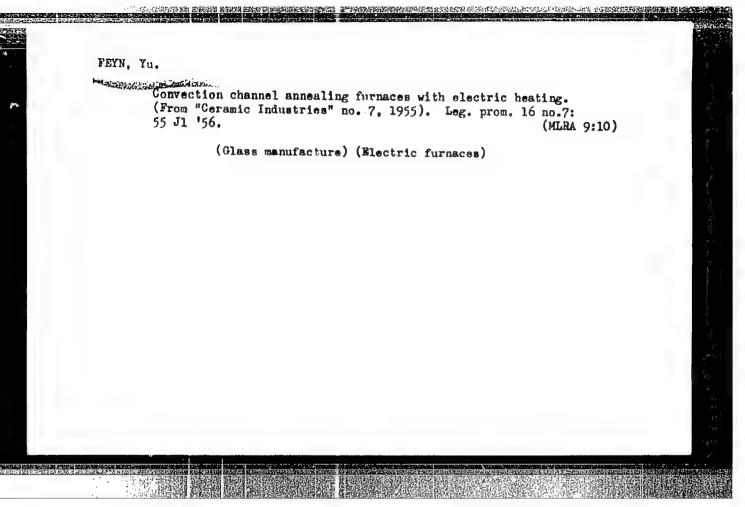


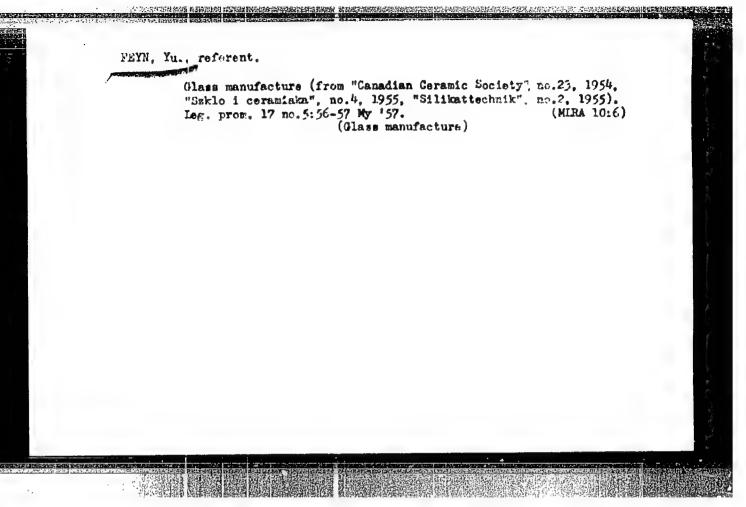


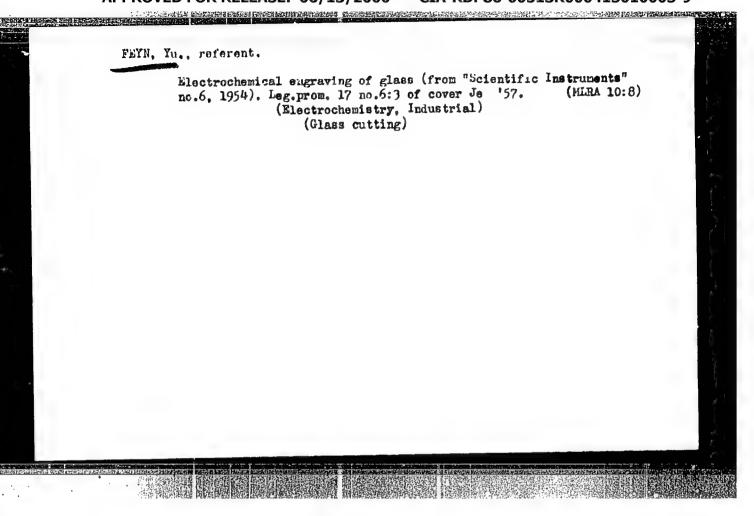


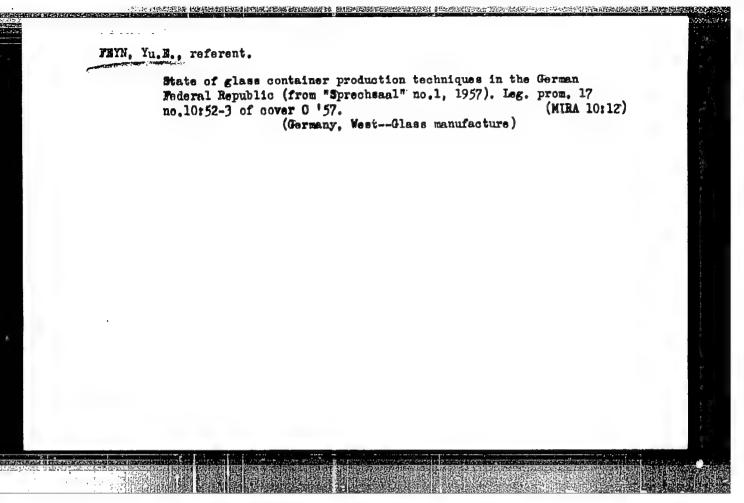












	SOV/131-59-1-10/12
15(2) AUTHOR: TITLE:	Feyn, Yu. R., Abstracter Elasticity and Strength of Refractory Concretes at Different Elasticity and Strength of Refractory Concretes at Different Temperatures (Uprugost' i prochnost' ogneupornykh betonov Temperatures (Uprugost' i prochnost' ogneupornykh betonov pri raznykh temperaturakh)
PERIODICAL:	1959, Nr 1, pp 40-40 (or nublished
ABSTRACT:	This is an abstract of an English paper by S. Schneider Factorian in the Journ. Amer. Ceram. Soc., 1958, Nr 1, pp 27-32.
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AUTHOR: Feyn, Yu. E.

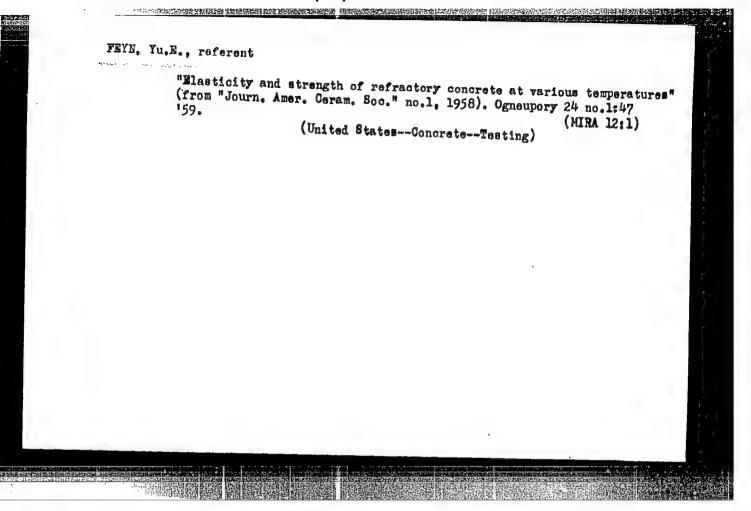
SOV/131-59-2-12/16

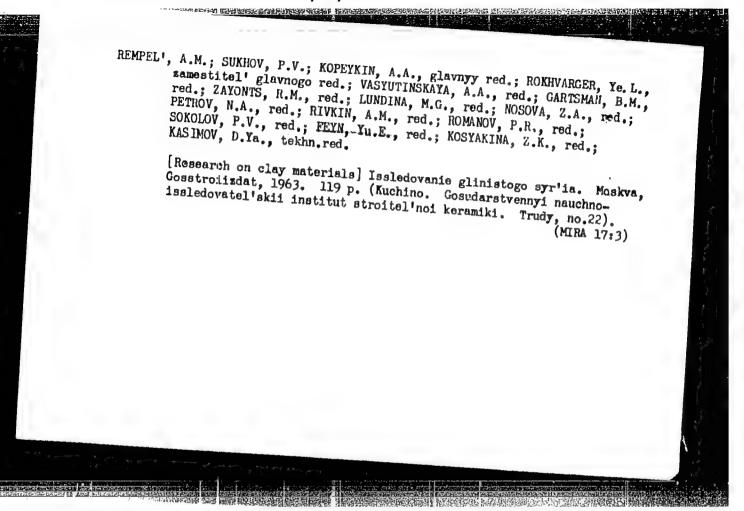
TIVLE: Improvement of the Properties of Calcium-Aluminate Coments (Uluchsheniye swoystv kal'tsiy-alyuminatnykh tsementov)

PERIODICAL: Ogneupory, 1959, Nr 2, pp 92-92 (USSR)

ABSTRACT: This is an abstract of an English-language paper published in the Journ. Amer. Ceram. Soc., 1957, Nr 5, pp 158. The

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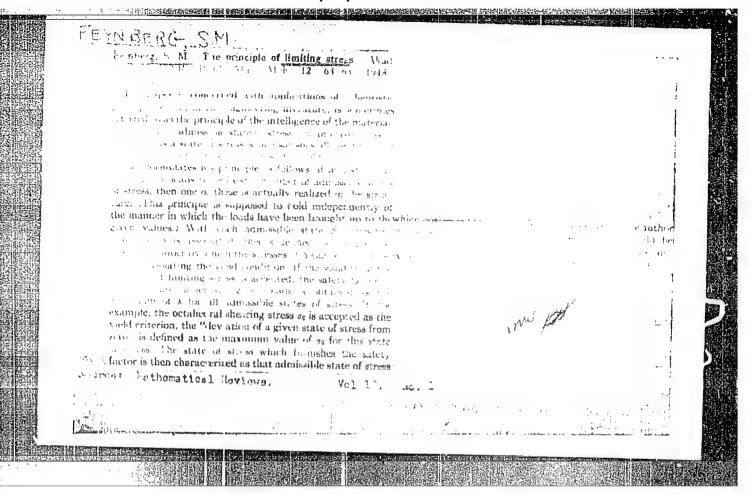


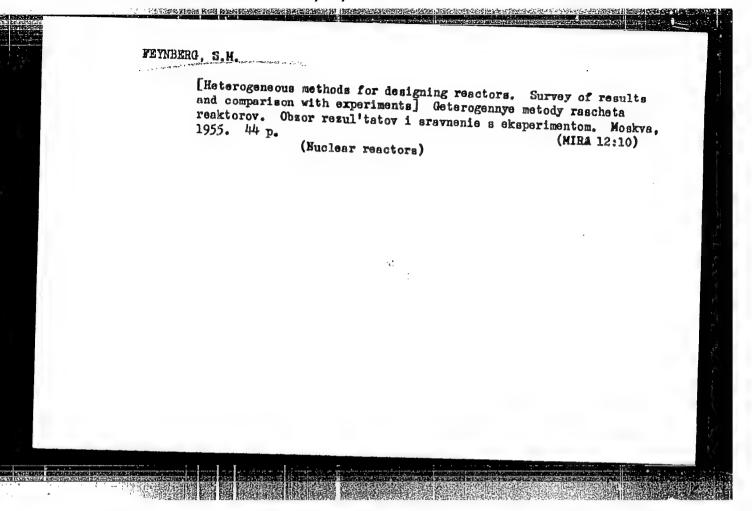
ROGOVSKIY, Leon Vladislavovich, insh.; PSYNBERG, Origoriy Mikhaylovich, insh., Idecessed]; AMTRUSHIN, B.D., insh., nauchnyy red.; GORDETEV, F.A., red.isd-wa; GUSEVA, S.S., tekhn.red.

[Quarries and the processing of rook materials] Kar'ery i obrabotka kamennykh materialov. Moskva, Gos.isd-wo lit-ry po stroit. i srkhit. 1957. 199 p.

(Quarries and quarrying)

(MIRA 11:3)





FERBURE Sersiya Akad. Nauk S.S.S.R. på Mirnamu Tspot kwantyu Nestriya Akad. Nauk S.S.S.R. på Mirnamu Tspot kwantyu Atomnot Energis, Zasedaniya Oldel. Fiz.- Met. Nauk 1055, 185-214 (English summary, 214-16).—Math. The theoretical investigation of the fast fission factor, μ , is based on an analysis of the kinetic equation for neutrons. For a homogeneous H₂O-U mixt. μ can be expressed by the approximate formula $\mu_{\text{boss}} = 1 = (\sin n - 1)(1 - \gamma)$, where μ as (about 1.2) is the fast multiplication factor in pure U18 and $\gamma = V_{\text{HO}}(V_{\text{HO}} + V_{\star}) =$ the vol. concen. of H₄O in the mixt. The formula is still valid for a U-H₅O lattice with U slugs of less than 1 cm. in diam. μ is higher if the lattice consists of alternate layers of U plates and H₅O. The expelication formulas. For homogenous mixts, of U and H₅O one can obtain also from the kinetic equations (the square L, the length of the slow-down γ . APPROVED SOR TELEAS

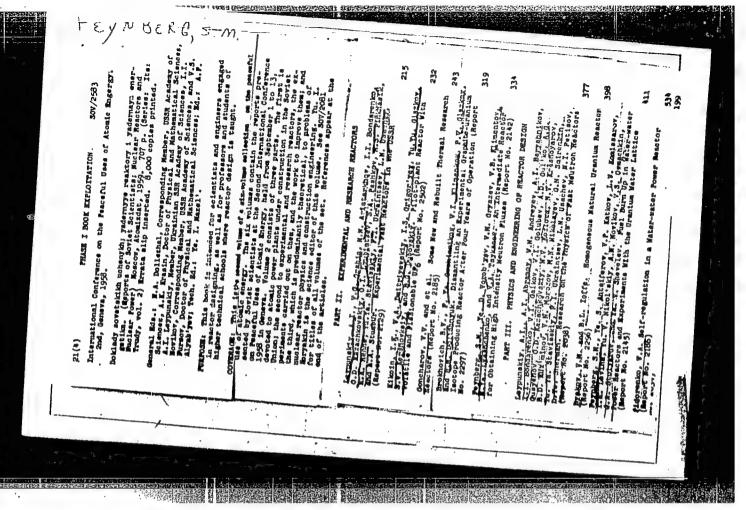
FEW BER AUTHOR: FEYNBERG , S.M. (Moscow) TITLE. Plastic Flow of a Flat Shell in the Axial-symmetric Problem (Plasticheskoye techeniye pologoy obolochki dlya osesimmetrichnoy zadachi). PERIODICAL: Prikladnaya Mat.i Mekh., 1957, Vol.21, Nr 4, pp.544-549 (USSR) ABSTRACT: The present paper of the author is a part of his thesis (Mechanical Institute of the Academy of Sciences of the USSR, Moscow 1946) on the principle of the limit stress which was also treated by him in a preceding paper (Prikladnaya Mat.i Mekh. 12, 1, 1948). This principle now is used for the investigation of the plastic flow of a very flat axial-symmetric shell under uniformly distributed stress and freely resting on along the periphery. The applied hexagonal approximation gives the error ± 7,5% for the determination of the limit stress. SUBMITTED: July 15, 1956 AVAILABLE: Library of Congress CARD 1/1

CELFAND, I. M., FEYNBERG, S. M., FROLOV, A. S. and CHENTSOV, N. N.

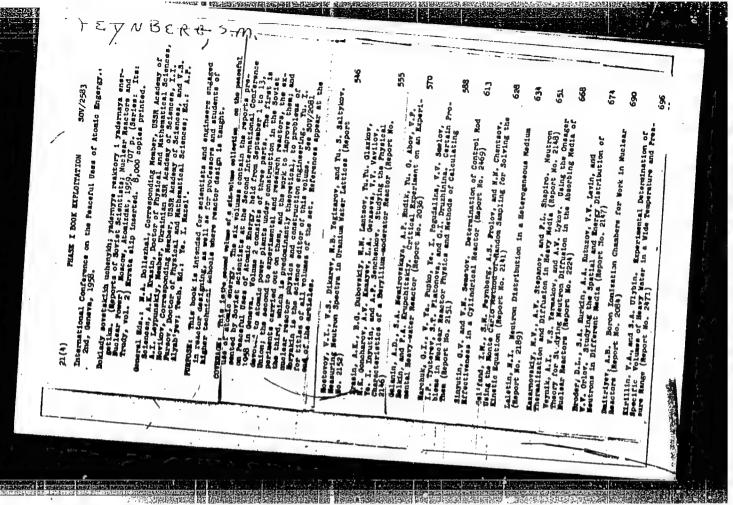
TO A CONTROLLED AND A CONTROLLED AS CONTROLL

"Concerning the Use of the Random Test Method (Monte-Carlo Method) for Solving the Kinetic Equation."

paper to be presented at 2nd UN Intl. Conf. on the Peaceful uses of Atomic Energy, Geneva, 1 - 13 Sept 1958.



APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413010003-9"



24 (6) AUTHOR:

Feynberg, S. M. (Moscow)

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SOV/179-59-4-13/40

TITLE:

The Principle of Maximum Stress

PERIODICAL:

Izvestiya Akademii nauk SSSR. Otdeleniye tekhnicheskikh nauk. Mekhanika i mashinostroyeniye, 1959, Nr 4, pp 101 - 111 (USSR)

ABSTRACT:

Some ideas and results are put forward which are contained in the author's doctor's dissertation "The Principle of Maximum Stress" (Printsip predel'noy napryazhennosti), Moscow, at the Institut mekhaniki AN SSSR (Institute of Mechanica of the AS USSR), 1946. In 1948, the author only published short excerpts from his dissertation in the paper (Ref 4). A perugal of current publications showed that the author's investigations have kept their value up to date. The author's opinions were greatly influenced by the papers of A. A. Gvozdev (Refs 1, 2) on the application of the boundary equilibrium to statically indeterminate systems, and by the paper of I. Ya. Shtayerman (Ref 3). It is shown here that the limiting break-stress principle can be taken as a starting point for the development of the mathematical theory of elasticity, and that the two classical plasticity theories of Saint-Venant and Genki-Mieses can be interpreted as a consequence of this principle. Methods

Card 1/2

The Principle of Maximum .Stress

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of finding a direct solution of the maximum resp. minimum problem in the strength functional are pointed out, namely the method of approximation of the state of limiting stress, e.g. by polynomials with the least deviation from zero, the method of approximation of the given law of strength by the succession of "inscribed" and "circumscribed" boundary conditions, the method of building up the majorant functional of body strength in evaluating the latter "from above", and the combined method.— It is pointed out that the efficiency of these methods was checked by applying them to numerous problems of plastic flow of round and rectangular plates and slightly fint shells. There are 6 Soviet references.

SUBMITTED:

July 23, 1958

Card 2/2

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21.1910 AUTHORS: \$/089/60/008/06/01/021 B006/B063 82302

Feynberg, S. M., Konobeyevskiy, S. T., Dollezhal', N. A., Yemel'yanov, T. Ya., Tsykanov, V. A., Bulkin, Yu. M., Zhirnov, A. D., Filippov, A. G., Shchipakin, O. L., Perfil'yev, V. P., Samoylov, A. G., Ageyenkov, V. I.

TITLE:

The CM(SM); Research Reactor With a Capacity of 50 Mw

PERIODICAL:

Atomnaya energiya, 1960, Vol. 8, No. 6, pp. 493-504

TEXT: The present article gives a detailed description of the Russian 50-Mw research reactor which has a neutron flux of $2.2\cdot10^{15}$ n/cm²sec. It is used both for research work in nuclear physics and reactor engineering; obtaining of new transuranic elements, testing of fission and building materials under neutron and gamma bombardment, within the temperature range $20^{\circ}\text{K} - 2000^{\circ}\text{C}$, and in various media; spectrometric examination of intermediate neutrons; examination of the gamma spectrum of the (n,γ) reaction; examination of short-lived isotopes and neutron diffraction analyses. The authors first discuss some characteristic data.

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The CM(SM) Research Reactor With a Capacity of 50 Mw

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The water-cooled, reflected reactor works with U235 enriched to 90%. The critical mass (without the experimental holes) is 7.3 kg of U^{235} , and including the experimental holes, it amounts to 9.5 kg (loading: ~11.7 kg). The maximum heat flow from the fuel element attains 5.5.106kcal/m2.h; the surface temperature does not exceed 195°C. Fig. 1 shows the distribution of the neutron flux in the cross section of the reactor; the flux has two maxima, one in the center of the cooling-water cavity (2.2.1015), and the other in the lateral reflector (5.1014n/cm2sec). The flux/power ratio is 4.4.1010n/cm2.sec.kw. With a 25% submersion depth of the fuel elements, the reactor can be in continuous operation for a period of 60-65 days. Several details are dealt with next. Experimental holes: The reactor has five horizontal and fifteen vertical holes. The horizontal ones are in the central part of the active zone, whose longitudinal and cross sections are shown in Figs. 2,3. At the output of the holes the neutron flux amounts to ~3.1010n/cm2sec. The vertical holes are located in the reflector with the exception of the central ones. Three of them serve for obtaining transuranic elements (one of these being in the center), two low-temperature holes serve for metal

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The CM(SM) Research Reactor With a Capacity of 50 Mw

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tests, two high-temperature holes for the testing of fuel elements, chemical analyses of the cooling water, and corrosion tests. All of these holes are water-cooled. Furthermore, five gas-cooled holes serve for testing fission and building materials in the range of 0 - 600°C; one hole (cooled with helium gas or liquid H2) serves for material tests at low temperatures; one gas-cooled hole for material tests at ~20000C; one hole cooled with liquid metal (1000°C) for testing fuel elements and coolants. Construction: The following demands were made on construction: creation of a small active zone that would withstand high thermal loads for a long time, and its cooling; application of a maximum number of experimental holes (their distribution is shown in Fig. 3); possible exchange of fuel assemblies without pressure drop. Figs. 2-5 illustrate particulars of the construction. Reactor body and cover: Fig. 2 is described. The cylindrical part is made of 36 mm thick stainless steel of the grade 1x18H9T (1Kh18N9T). The reflector consists basically of beryllium oxide; it is made up of blocks comprising about 65 different types, which are enclosed by steel plates on top and at the bottom. Fuel element assemblies: The element itself has the shape of a plate with a

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The CM(SM) Research Reactor With a Capacity of 50 Mw

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core, pressed from uranium oxide powder and electrolytic nickel; the core is contained in a lickel can. Fig. 6 shows a section through the assembly, Fig. 7 another through a fuel element. Data of one such element are compiled; every element contains 12.5 g U235. The cylindrical body shield (Fig. 2) divides the inner reactor cavity into two zones. The functions of this shield are briefly discussed, and the cooling water circulation is described next. The control system is described in greater detail. This system consists of two automatic regulators with two regulation rods each, four shim rods, and four safety rods which can also be used as shim rods. The automatic regulation is operated by 13 ionization chambers located outside the reactor body; it covers the power range from 0.5 to 100%. Several details concerning safety and shim rods are thoroughly discussed. Reactor shield: Fig. 8 shows a cross section through reactor plus shield. The latter consists of steel and heavy concrete. A few details are described, and the pr : as of fuel extraction is briefly dealt with. The cooling system is finally discussed. It consists of four closed, separate loops. The water is kept flowing by circulating pumps (500 t/h, 10 atm); the heat exchange power is 15 Mw.

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The Cri(SM) Research Reactor With a Capacity of 50 Mw

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There are 8 figures and 1 Moviet reference.

SUBMITTED: March 15, 1960

Card 5/5

4

KANAYEV, Andrey Andreyevich; FEYNEERG, S.M., retsenzent; AL'KIMOVICH, A.V., inzh., retsenzent; KUDANOV, N.N., inzh., nauchnyy red.; SMIRNOV, Yu.I., red.; KAMOLOVA, V.M., tekhn. red.; SHISHKOVA, L.M., tekhn. red.

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[Atomic power plants] Atomnye energeticheskie ustanovki. Leningrad, Sudpromgiz, 1961. 427 p. (MIRA 15:4)

1. Chlen-korrespondent Akademii nauk :SSR (for Feynberg).
(Atomic power plants)

FEYNERG, S. M.

PHASE I BOOK EXPLOITATION

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SOV/6176

- Konobeyevskiy, S. T., Corresponding Member, Academy of Sciences USSR, Resp. Ed.
- Devstvive vadernykh izlucheniv na materialy (The Effect of Nuclear Radiation on Materials). Moscow, Izd-vo AN SSSR, 1962. 383 p. Errata slip inserted. 4000 copies printed.
- Sponsoring Agency: Akademiya nauk SSSR. Otdeleniye tekhnicheskikh nauk; Otdeleniye fiziko-matematicheskikh nauk.
- Resp. Ed.: S. T. Konobeyevskiy; Deputy Resp. Ed.: S. A.
 Adasinskiy; Editorial Board: P. L. Gruzin, G. V. Kurdyumov,
 B. M. Levitskiy, V. S. Lyashenko (Deceased), Yu. A. Martynyuk,
 Yu. I. Pokrovskiy, and N. F. Pravdyuk; Ed. of Publishing
 House: M. G. Makarenko; Tech. Eds: T. V. Polyakova and
 I. N. Dorokhina.

Card 1/2

The Effect of Nuclear Radiation (Cont.)

SOV/6176

PURPOSE: This book is intended for personnel concerned with nuclear materials.

COVERAGE: This is a collection of papers presented at the Moscow Conference on the Effect of Nuclear Radiation on Materials, held December 6-10, 1960. The material reflects certain trends in the work being conducted in the Soviet scientific research orginization. Some of the papers are devoted to the experimental study of the effect of neutron irradiation on reactor materials (steel, ferrous alloys, molybdenum, avial, graphite, and nichromes). Others deal with the theory of neutron irradiation effects (physicochemical transformations, relaxation of internal stresses, internal friction) and changes in the structure and properties of various crystals. Special attention is given to the effect of intense Y-radiation on the electrical, magnetic, and optical properties of metals, dielectrics, and semiconductors.

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The Effect of Nuclear Radiation (Cont.)

SOV/6176

5

TABLE OF CONTENTS:

Konobeyevskiy, S. T. Contempory Ideas on the Effect of Nuclear Radiations on Solids

The article deals with basic characteristics of the effects of irradiation with Y-rays, neutrons, electrons, and heavy charged particles. It is noted that no definite interpretation of the mechanism of neutron-irradiation effects on mechanical properties has yet been established.

The Control of the Co

Metals and Other Solids

A general description is presented of the CM 50,000 kw (thermal) research reactor whose construction is presently [1960] being completed. Experiments in the following areas are expected to be conducted with the reactor in the first series of investigations in solid atate physics: 1); effect of the integral value of neutron flux on the mechanical properties of various materials at different temperatures; 2) effect of temperature during irradiation on the diffusion

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* D6/11/2000 CJA-RDP86-00513R00041301000

FEYNBERG, Saveliy Moiseyevich, doktor fiziko-matem. nauk, laureat
Leninskoy premii; KANTER, A.I., red.; NAZAROVA, A.S., tekhn.
red.

[The peaceful atom] Mirnyi atom. Moskva, Izd-vo "Znanie," 1962. 29 p. (Narodnyi universitet kul'tury. Tekhniko-ekonomicheskii fakul'tet, no.18) (MIRA 15:2) (Atomic energy)

FEYNBERG, Saveliy Moiseyevich, doktor fiziko-matem. nauk, laureat Leninskoy premii; NEKHLYUDOVA, A.S., red.; NAZAROVA, A.S., tekhn. red.

[The atom and the atomic nucleus] Atom i atomnoe iairo. Mo-skva, Izd-vo "Znanie," 1962. 30 p. (Narodnyi universitet kultury: Estestvennonauchnyi fakultet, no.23) (MIRA 15:2) (Atoms) (Nuclei, Atomic)

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EWT(1)/EWT(m)/EPF(c)/ETC/EPF(n)-2/EWG(m)/T/EWP(t)/EWF(5)/EWA(h) EFF(c) L 4038-66 JD/W/GS UR/0000/62/000/000/0021/0033 ACCESSION NR: AT5033781 AUTHOR: Feynberg, S. M. TITLE: The SM research reactor and its use for mutal and solid state research SOURCE: Soveshchaniye po probleme Deystviye yadernykh izlucheniy na materialy. Moscow, 1960. Deystviye yadernykh izlucheniy na materialy (The effect of nuclear radiation on materials); dokłady soveshchaniya. Moscow, Izd-vo AN SSSR, 1962, 21-33 TOPIC TAGS: nuclear research reactor, neutron irradiation, neutron diffraction, water cooled nuclear reactor, solid state research facility, metallurgic research facility ABSTRACT: After discussing the requirements which should be met by research nuclear reactors, the author shows that a water-moderated reactor with a coclam, operating on intermediate neutrons with a neutron trap, represents an economic solution to two problems simultaneously: production of high intensity thermal and fast neutron fluxes. The ideas discussed were embodied in the design of the SM research reactor having a heat power of 50,000 kw; the construction of this reactor is now very close to completion, and is described in detail together with its operation. In studies of materials and solid state Card 1/2

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physics research, use will be made of gas-cooled channels placed in the zone of the hard neutron spectrum, and also water-cooled channels placed in the reflector. Neutron diffraction studies will be conducted in a horizontal channel. Other channels will permit studies covering the temperature range from <u>liquid helium</u> to 600C and higher. Fourteen topics of research in solid state physics which are planned with the aid of the SM reactor are enumerated. Orig. art. has: 8 figures.

ASSOCIATION: None

SUBMITTED: 18 August 62

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NO REF SOV: 000

OTHER: 000

Card 2/2 DP

FEYNBERG, S. M.; TSYKAMOV, V. A.; VOROBYEV, Ye. D.

"Reactor SM-2 with the Highest Available Neutron Flux."

report submitted for 2nd Intl Conf, Peaceful Uses of Atomic Energy, Geneva, 31 Aug-9 Sep 64.

"The pulse reactor potentialities, (for neutrino investigations 1)."

report presented at the 3rd Intl Conf on Peaceful Uses of Atomic Energy, Geneva, 31 Aug., Sep 64.

1011-17 SWT(m)/BPF(c)/EPF(n)-2/EPR Pr-4/Th-4/F)-4 *** AP5001287 Brogers, S. M. Dollezoni, N. A., V. ly cov, I. Ya . Gryazev V. M. J. 7. i . Aver'yanov, P. G. 1104 Thysical and exploitational characteristics of the SM-2 in the SOURCE: Atomoaya energiya, v. 17, no. 6, 1964, 452-463 TOPIC TAGS: research reactor reactor/SM-2 reactor characteristic auclear real tot ABSTRACT: The paper is a summary of the SSSR # 320 report at the Internationor received an Peaceful Uses of Atomic Energy in General, 1964. The reactor SM-2 was designed for a wide range of investigations in nuclear physics, solid wave masses, metallurgy, radiation chemistry, physics and technology of nuclear construction, and other fields of science and technology. The reactor was described in Atomnaya Energiya 8, 493 (1960). The thermal neutron flux is 2.5×10^{15} n/cm², sec at 50,000 kw. The fast neutron flux with energy larger Cord 1/2

one exceeds 10 ¹⁵ n/cm ² , sec. Orig. art. has, 9 f	TATION: None	Mey in the active moderation: None	14400 CESTON NR: AP50012	
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ACCESSION NR: AP5001268 S/0089/64/017/006/0463/0474

Shevelev, Ya. V.

(deceased)

TITLE: Pulse graphite reactor IGR

SOURCE: Atomnaya energiya, v. 17, no. 6, 1964, 463-474

TOPIC TAGS: pulse graphite reactor, high neutron flux pulse, nuclear reactor

ABSTRACT: The paper is a summary of the SSSR #322a report at the International Conference on Peaceful Uses of Atomic Energy in Geneva, 1964. It represents an elaboration of the description of the pulse graphite reactor IGR given by S. M. Feinberg at the Second International Conference. The pulse reactors are used when a high neutron flux is desirable. The described reactor was in opera-

Card 1/2